

Date: Thursday, 13/11/2008 1:05:58 PM
 User: Julie Dawson

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : SUPPORT
Job Number : 43418A	
Estimate Number : 10452	
P.O. Number :	Part Number : D32781
This Issue : 13/11/2008 S.O. No. :	Drawing Number : D3278 REV. C
Prsht Rev. : NC	Project Number : N/A
First Issue : / / Type : SMALL / MED FAB	Drawing Revision : C
Previous Run : 42320A	Material :
Written By :	Due Date : 28/11/2008 Qty: 40 Um: Each
Checked & Approved By : <u>JUL 08 11-14</u>	
Comment : Est: A 04.04.19 New issue KJ/JLM	
est B 07.09.06 rev.c dwg EC verified by: JLM	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	M6061T6B1000X02000	6061-T6 Bar 1.00 x 2.00
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Comment: Qty.: 0.2454 f(s)/Unit Total: 9.8154 f(s)

Material: 6061-T6/T651 (QQ-A-200/8) 1.00" thick
 (M6061T6B1.000x02.000)

Batch: M108877 (x73)
M107129 (x7)

M108877 (x7) *scrap

2.0	BAND SAW	BAND SAW
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Comment: Band Saw

Cut blank: 2.00" x 1.00" x 2.550" long

88 08/11/16

3.0	HAAS1	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1

1- Machine as per Folio FA405 and Dwg D3278
 2- Deburr and Tumble
 Identify as D3278-1

N.A 08/11/18

88 08/11/16

PTO

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

N.A 08/11/18

88 08/11/16

5.0	QC8	SECOND CHECK
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Comment: SECOND CHECK

20 08/11/20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D3278-1 PAR #: N/A Fault Category: Prod - Mact NCR: (Yes) No? DQA: AA Date: 08.11.26.
 Resolution: Scrap Disposition: Scrap. QA: N/C Closed: AA Date: 08/11/27

NCR: 43418A		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
08/11/16	3.0	Part Move IN 2nd operation Qty <u>7</u> Parts too thin: 0.106 → 0.112 thick R.C. parts not entirely positioned properly (too enough)	<u>OS/11/12</u>	SCVAP i, destroy - replace Qty 7 B <u>M107129</u>	<u>SS</u> <u>08/11/16</u> <u>08/11/16</u>		<u>OS/11/12</u>	<u>08-11-18</u>

NOTE: Date & initial all entries

Date: Thursday, 13/11/2008 1:05:58 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SUPPORT

Job Number: 43418A

Part Number: D32781

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

MF

08-11-20

(80)

7.0

POWDER COATING

POWDER COATING



M109152



(80X)

Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

8:15
320 OF
8:45

MF 08/11/21

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

PC 8/11/24 (80)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

ST80 PC 8/11/24 (80)

10.0

QC21

FINAL INSPECTION/W/O RELEASE



08/11/24 MF

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF 08-11-24

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

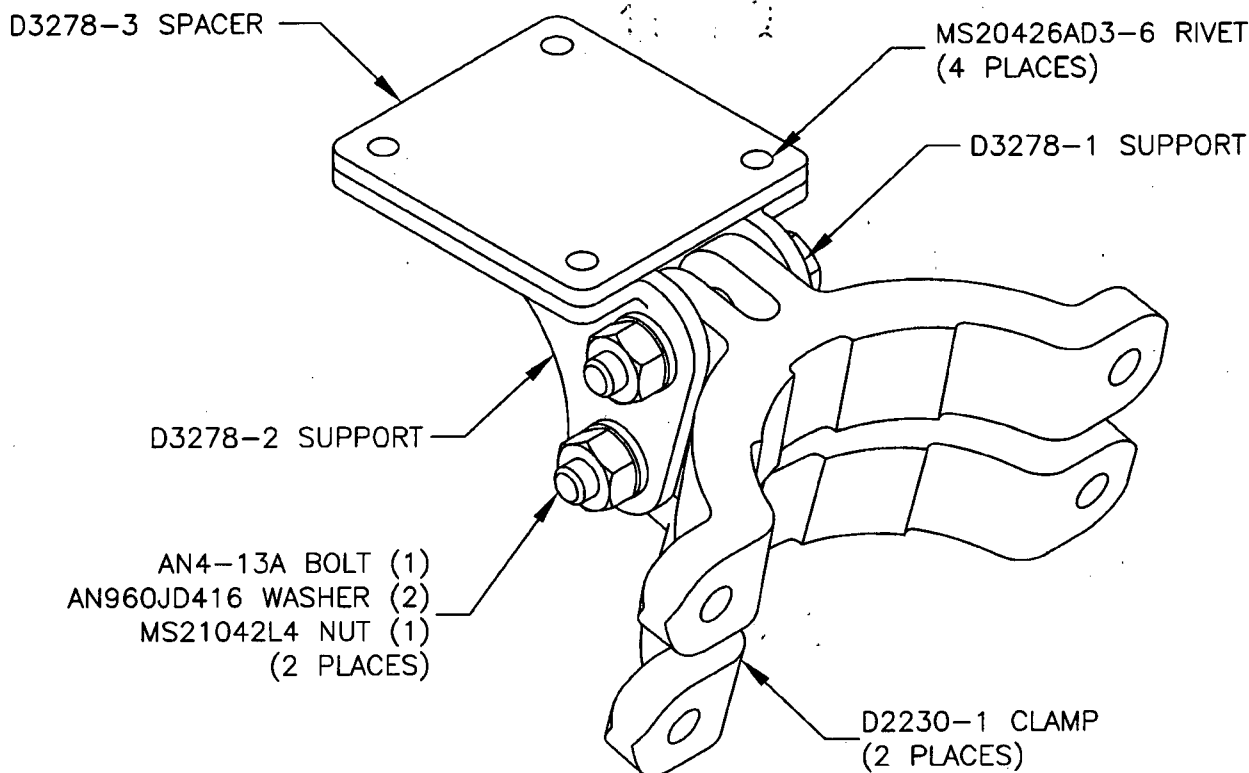
NOTE: Date & initial all entries



DESIGN 91	DRAWN BY BC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED B	APPROVED H	DRAWING NO. D3278	REV. C SHEET 1 OF 3
DATE 07.07.24		TITLE SUPPORT ASSEMBLY	SCALE NTS
A	04.03.03	NEW ISSUE	
B	05.03.31	CHANGE DIM/TOL TO ENSURE FIT	
C	07.07.24	CHANGED RIVETS PER PAR #185	

RELEASED
07-08-08

D3278-041 SUPPORT ASSEMBLY



Qty	Part Number	Description
X	D3278-041	SUPPORT ASSEMBLY
2	D2230-1	CLAMP
1	D3278-1	SUPPORT
1	D3278-2	SUPPORT
1	D3278-3	SPACER
2	AN4-13A	BOLT
4	AN960JD416	WASHER
4	MS20426AD3-6	RIVET
2	MS21042L4	NUT

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NO. 43418A

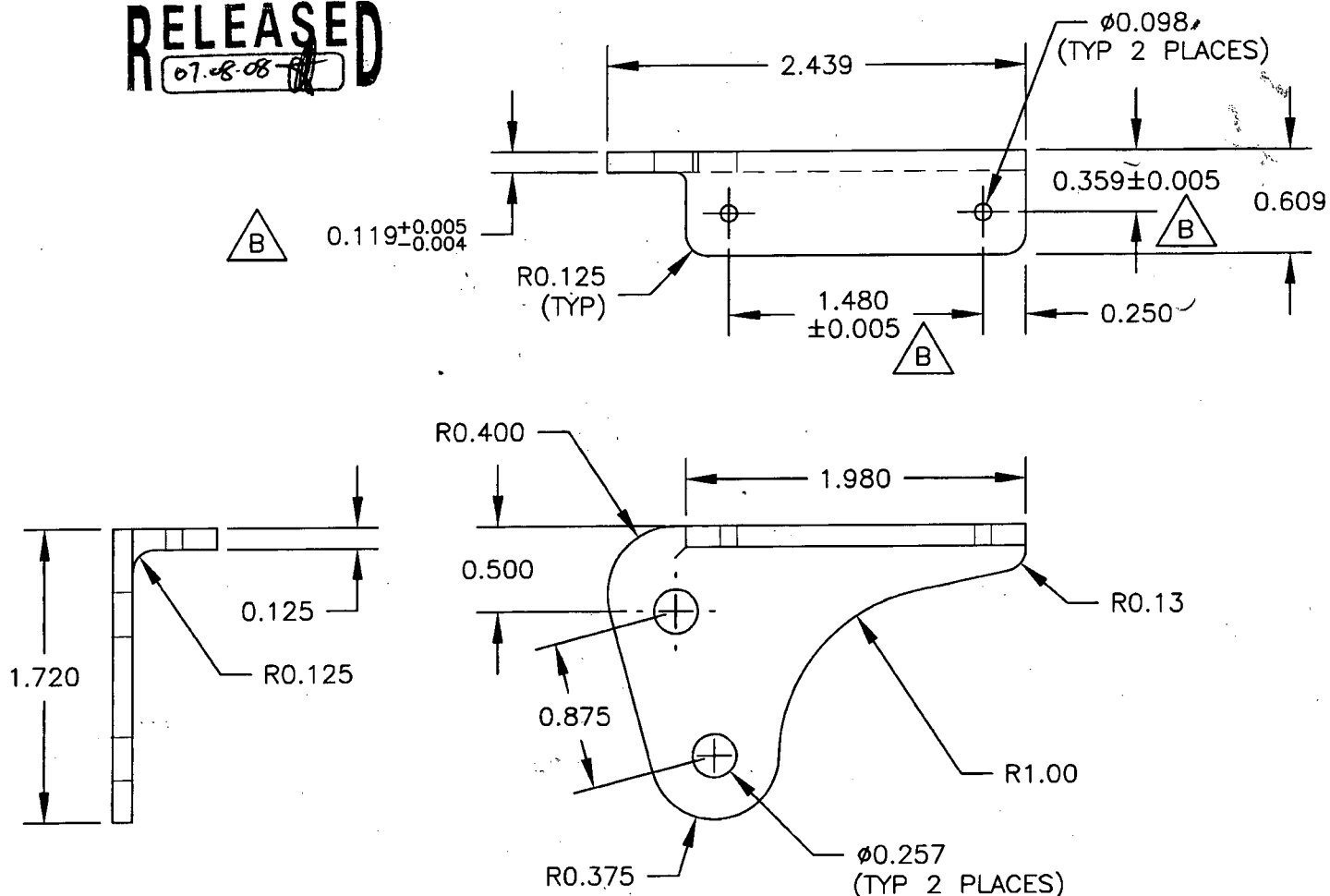
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CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D3278	REV. C SHEET 2 OF 3
DATE 07.07.24	TITLE SUPPORT ASSEMBLY		SCALE 1:1

RELEASED
07-08-08



D3278-1 SUPPORT (SHOWN)

D3278-2 SUPPORT (OPPOSITE)

- 1) MACHINE PER DWG FILE "D3278-1.SLDPRT"
- 2) MATERIAL: 6061-T6 (OR 6061-T651/T6510/T6511/T62) BAR
PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
PER AMS-QQ-A-200/8 (OR AMS 4160)
(REF. DART SPEC. M6061T6B)
- 3) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

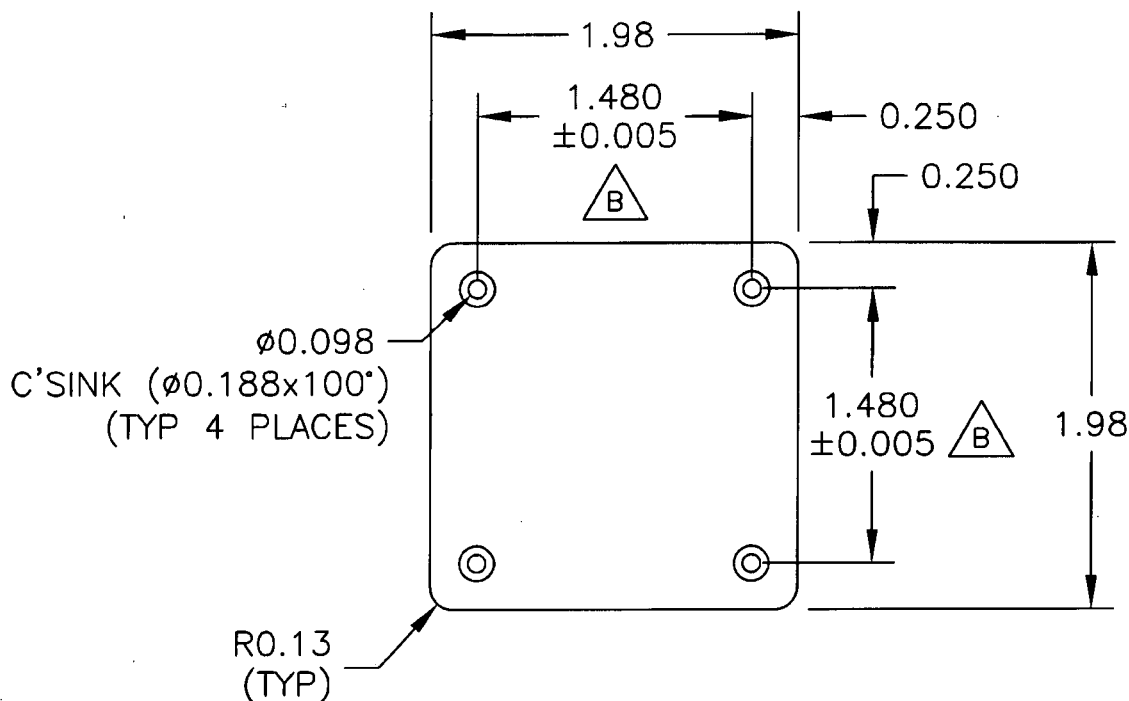
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DART

DESIGN 9P	DRAWN BY BC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED B	APPROVED H	DRAWING NO. D3278	REV. C SHEET 3 OF 3
DATE 07.07.24		TITLE SUPPORT ASSEMBLY	SCALE 1:1

RELEASED
07.08.08**D3278-3 SPACER**

- 1) MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL
(REF. DART SPEC. M-DELRIN-B0.125x2.000) OR
DELRIN II 150E OR ACETRON GP ACETAL
(REF. DART SPEC. M-DELRIN-S.125)
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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DART AEROSPACE LTD		Work Order: 43418 A
Description: Support		Part Number: D3278-1
Inspection Dwg: D3278	Rev: C	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article
 ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.098	+0.005/-0.000	Ø 0.100	✓			
0.359	+/-0.005	0.361	✓			
0.609	+/-0.010	0.613	✓			
0.250	+/-0.010	0.248	✓			
1.480	+/-0.005	1.480	✓			
R0.125	+/-0.010	R0.125	✓			
0.119	+0.005/-0.004	0.120	✓			
2.439	+/-0.010	2.440	✓			
1.980	+/-0.010	1.981	✓			
R0.13	+/-0.030	R0.13	✓			
Ø0.257	+0.005/-0.000	Ø 0.260	✓			
R0.375	+/-0.010	R0.375	✓			
0.875	+/-0.010	0.874	✓			
0.500	+/-0.010	0.499	✓			
R0.400	+/-0.010	R0.400	✓			
R1.00	+/-0.030	R1.00	✓			
1.720	+/-0.010	1.720	✓			
R0.125	+/-0.010	R0.125	✓			
0.125	+/-0.010	0.126	✓			

Measured by: M.A	Audited by: 20	Prototype Approval: N/A
Date: 08/11/18	Date: 08/11/20	Date: N/A

Rev	Date	Change	Revised by	Approved
A	04.04.19	New Issue P/O D3278-041	KJ/JLM	
B	05.06.08	0.359 was 0.365; 0.119 was 0.125	KJ/JLM	
C	07.09.26	Dimensions updated per Dwg Rev. C	KJ/EC	